Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2021-07-30-37** **Date: 03-07-21**
Project Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
Agency	:	Sri.H.V.Onkarappa, No.02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
Date of Receipt	:	30-06-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	01-07-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.85	–
2	Finess by Air permeablity method (m^2/kg,Min)	348.6	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	135 minutes	Not less than 30 minutes
6	Final Setting time	245 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

AE-1

AE

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

b ID	:	CP-2021-07-30-37 Date: 29-07-21
oject Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
ency	:	Sri.H.V.Onkarappa, No.02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
stomer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
te of Receipt	:	30-06-21
mple Type	:	Birla Super 53grade
ference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
te of test	:	01-07-21
vironmental Conditions during	:	Temperature: 26°C Humidity: 72%

Compressive Strength

No.	Physical properties	Results	Requirement as per IS 12269: 2013
	3 Days	28.0N/mm^2	Not less than 27 N/mm^2
	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
	28 Days	58.0N/mm^2	Not less than 53 N/mm^2

AE-1

ie results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-07-30-37 Date: 03-07-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.9	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.3	
3	Specific Gravity	2.64	–
4	Bulk Density(Loose) (Kg/l)	1.41	–
5	Bulk Density(Compacted) (Kg/l)	1.47	–
6	Water Absorption(%)	0.23	–

The results obtained are satisfactory as per standard requirements.

AE-1

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2021-07-30-37 **Date: 19/07/2021**

: "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

ame : Sri.H.V.Onkarappa, No.02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.

's Reference : BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21

eceipt : 14-07-21

ID : SF Flooring concrete

ype /Size : 150X150X150 mm

rade/Age : M15 / 7 Days Compressive Strength

to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 19/07/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Flooring concrete	M15	12/07/2021	19/07/2021	151.34 X 150.72 X 151.04	22811	8.835	276.6	12.1	12.2
Flooring concrete	M15	12/07/2021	19/07/2021	150.26 X 151.73 X 149.94	22799	8.468	279.5	12.3	
Flooring concrete	M15	12/07/2021	19/07/2021	150.98 X 150.51 X 150.24	22723	8.199	274.5	12.1	

lts obtained are satisfactory as per standard requirements.

A&-1

AE

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****